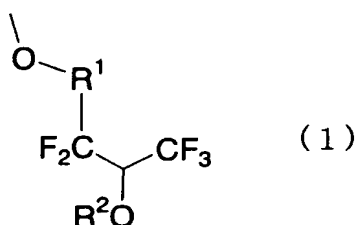


**Amendments to the Claims:**

The following listing of claims replaces all prior versions, and listings, of claims in the application:

**Listing of Claims:**

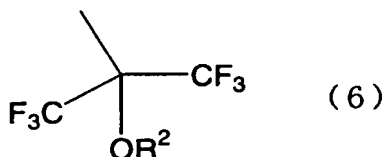
1. (Withdrawn) A fluorine-containing compound comprising a substituent represented by the formula 1,



where R<sup>1</sup> is (a) a straight-chain alkylene group, (b) a branched alkylene group, (c) a cyclic structure containing an aromatic ring group or aliphatic cyclic group, or (d) a substituent containing an aromatic ring group and an aliphatic cyclic group, and R<sup>1</sup> optionally contains fluorine, another halogen, CN, oxygen, nitrogen, silicon, or alcohol, and

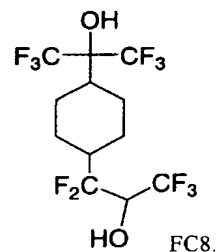
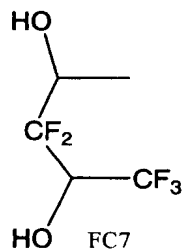
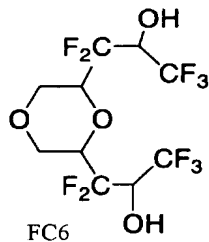
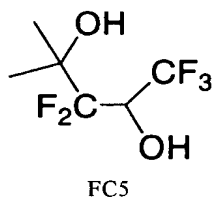
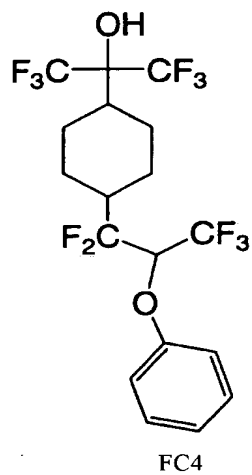
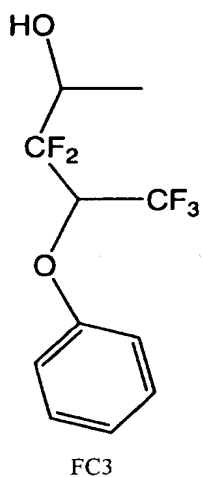
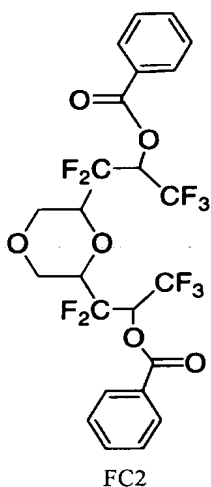
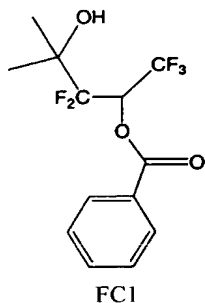
R<sup>2</sup> is a hydrogen atom, a straight-chain or branched alkyl group, an aromatic group, or a hydrocarbon group optionally containing an aliphatic cyclic group, and R<sup>2</sup> optionally contains fluorine, oxygen, nitrogen, carbonyl bond, or alcohol, and a plural number of R<sup>2</sup> having different structures are optionally contained in the molecule.

2. (Withdrawn) A fluorine-containing compound according to claim 1, wherein R<sup>1</sup> comprises a hexafluorocarinol group represented by the formula 6,

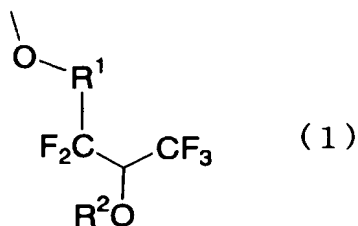


wherein R<sup>2</sup> is defined as in the formula 1.

3. (Withdrawn) A fluorine-containing compound according to claim 1, which is selected from first to eighth fluorine-containing compounds respectively represented by the following formulas FC1 to FC8:



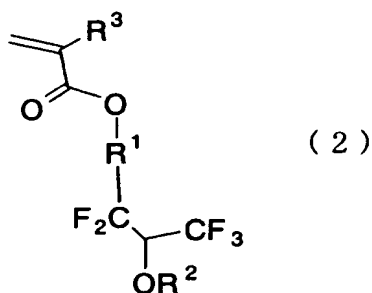
4. (Previously Presented) A fluorine-containing polymerizable monomer comprising a substituent represented by the formula 1,



where  $\text{R}^1$  is (a) a straight-chain alkylene group, (b) a branched alkylene group, (c) a cyclic structure containing an aromatic ring group or aliphatic cyclic group, or (d) a substituent containing an aromatic ring group and an aliphatic cyclic group, and  $\text{R}^1$  optionally contains fluorine, another halogen, CN, oxygen, nitrogen, silicon, or alcohol, and

$\text{R}^2$  is a hydrogen atom, a straight-chain or branched alkyl group, an aromatic group, or a hydrocarbon group optionally containing an aliphatic cyclic group, and  $\text{R}^2$  optionally contains fluorine, oxygen, nitrogen, carbonyl bond, or alcohol, and a plural number of  $\text{R}^2$  having different structures are optionally contained in the molecule.

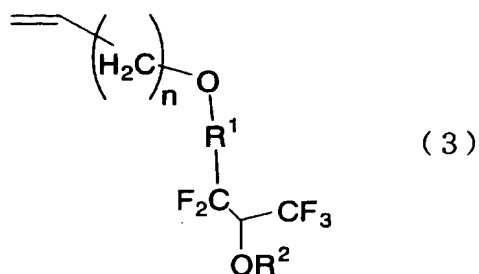
5. (Original) A fluorine-containing polymerizable monomer according to claim 4, which is represented by the formula 2,



wherein  $\text{R}^1$  and  $\text{R}^2$  are defined as in the formula 1, and

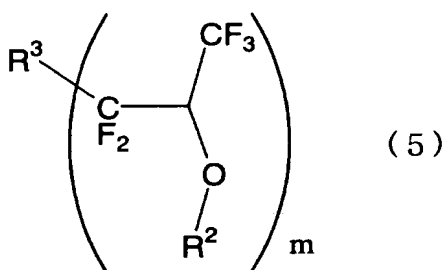
$\text{R}^3$  is a hydrogen, fluorine, alkyl group optionally containing fluorine, or cyano group.

6. (Original) A fluorine-containing polymerizable monomer according to claim 4, which is represented by the formula 3,



wherein  $\text{R}^1$  and  $\text{R}^2$  are defined as in the formula 1, and  $n$  is 0 or 1.

7. (Original) A fluorine-containing polymerizable monomer according to claim 4, wherein the substituent represented by the formula 1 is derived from a compound represented by the formula 5,

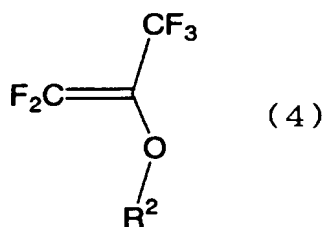


wherein  $\text{R}^2$  is defined as in the formula 1,

$\text{R}^3$  is a straight-chain or cyclic group containing at least one selected from the group consisting of ether bond, ester bond and hydroxyl group, and

$m$  is an integer of 1-3,

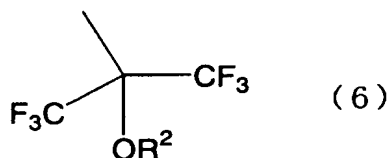
wherein the compound represented by the formula 5 is prepared by a radical addition reaction, in which a compound represented by the formula 4:



wherein  $\text{R}^2$  is defined as in the formula 1, is added to an alcohol, ether or ester compound.

8. (Original) A fluorine-containing polymerizable monomer according to claim 4, wherein  $\text{R}^2$  in the formula 1 is an acid-labile protecting group.

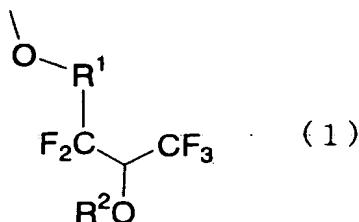
9. (Original) A fluorine-containing polymerizable monomer according to claim 4, wherein R<sup>1</sup> comprises a hexafluorocarinol group represented by the formula 6,



wherein R<sup>2</sup> is defined as in the formula 1.

10. (Canceled)

11. (Previously Presented) A fluorine-containing polymer comprising a substituent represented by the formula 1,

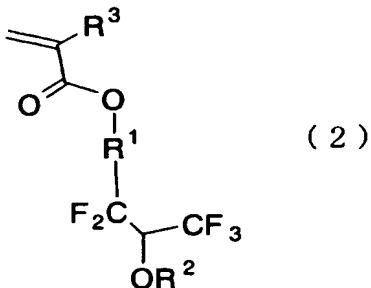


where R<sup>1</sup> is (a) a straight-chain alkylene group, (b) a branched alkylene group, (c) a cyclic structure containing an aromatic ring group or aliphatic cyclic group, or (d) a substituent containing an aromatic ring group and an aliphatic cyclic group, and R<sup>1</sup> optionally contains fluorine, another halogen, CN, oxygen, nitrogen, silicon, or alcohol, and

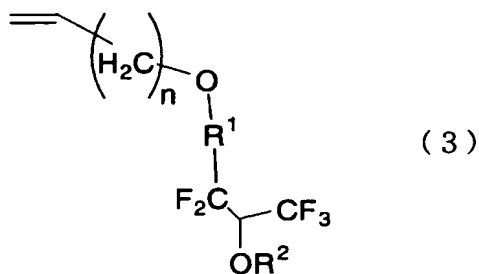
R<sup>2</sup> is a hydrogen atom, a straight-chain or branched alkyl group, an aromatic group, or a hydrocarbon group optionally containing an aliphatic cyclic group, and R<sup>2</sup> optionally contains fluorine, oxygen, nitrogen, carbonyl bond, or alcohol, and a plural number of R<sup>2</sup> having different structures are optionally contained in the molecule.

12. (Original) A fluorine-containing polymer according to claim 11, which is prepared by a polymerization or copolymerization, using a fluorine-containing polymerizable monomer comprising the substituent represented by the formula 1, and

wherein the fluorine-containing polymerizable monomer is represented by the formula 2 or 3:

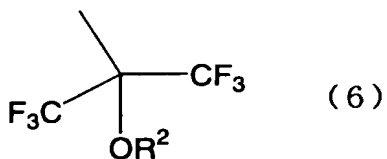


wherein R<sup>1</sup> and R<sup>2</sup> are defined as in the formula 1, and  
 R<sup>3</sup> is a hydrogen, fluorine, alkyl group optionally containing fluorine, or cyano group.



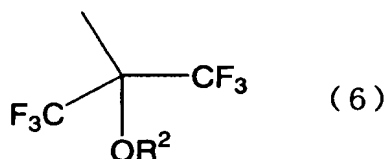
wherein R<sup>1</sup> and R<sup>2</sup> are defined as in the formula 1, and n is 0 or 1.

13. (Original) A fluorine-containing polymer according to claim 11, wherein R<sup>1</sup> comprises a hexafluorocarbonol group represented by the formula 6,



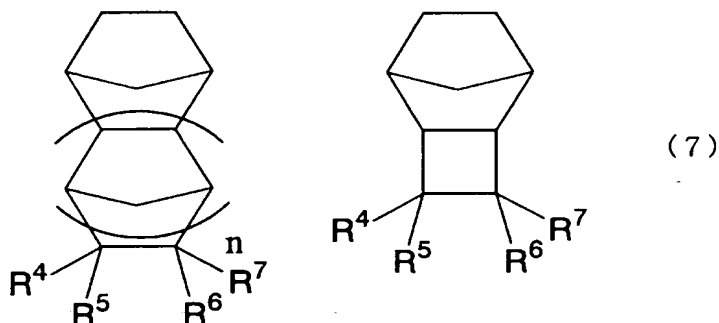
wherein R<sup>2</sup> is defined as in the formula 1.

14. (Original) A fluorine-containing polymer according to claim 12, wherein the fluorine-containing polymerizable monomer, which is used in the copolymerization, comprises a hexafluorocarbonol group represented by the formula 6,



wherein  $R^2$  is defined as in the formula 1.

15. (Original) A fluorine-containing polymer according to claim 12, wherein the fluorine-containing polymerizable monomer comprises a norbornene represented by one of the following two formulas 7,

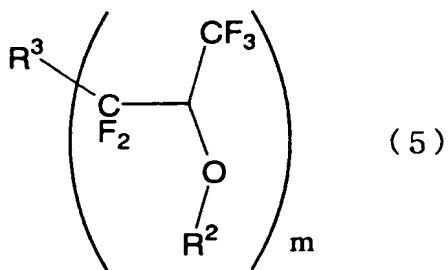


wherein each of  $R^4$ ,  $R^5$ ,  $R^6$ , and  $R^7$  is independently a hydrogen, fluorine, another halogen, a straight-chain or branched alkyl or fluoroalkyl group optionally containing a cyclic structure, a fluorine-containing cyclic group, hydroxyl group, carboxyl group, a hydroxyl or carboxyl group protected with  $R^2$  as defined in the formula 1, or a group containing at least two of these.

16. (Original) A fluorine-containing polymer according to claim 12, wherein  $R^2$  in the formula 2 or 3 is an acid-labile protecting group.

17. (Canceled)

18. (Withdrawn) A dissolution inhibitor comprising a compound represented by the formula 5,

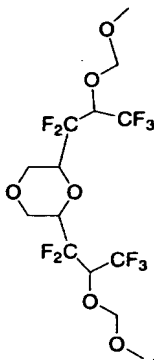


wherein R<sup>2</sup> is an acid-labile protecting group,

R<sup>3</sup> is a straight-chain or cyclic group containing at least one selected from the group consisting of ether bond, ester bond and hydroxyl group, and

m is an integer of 1-3.

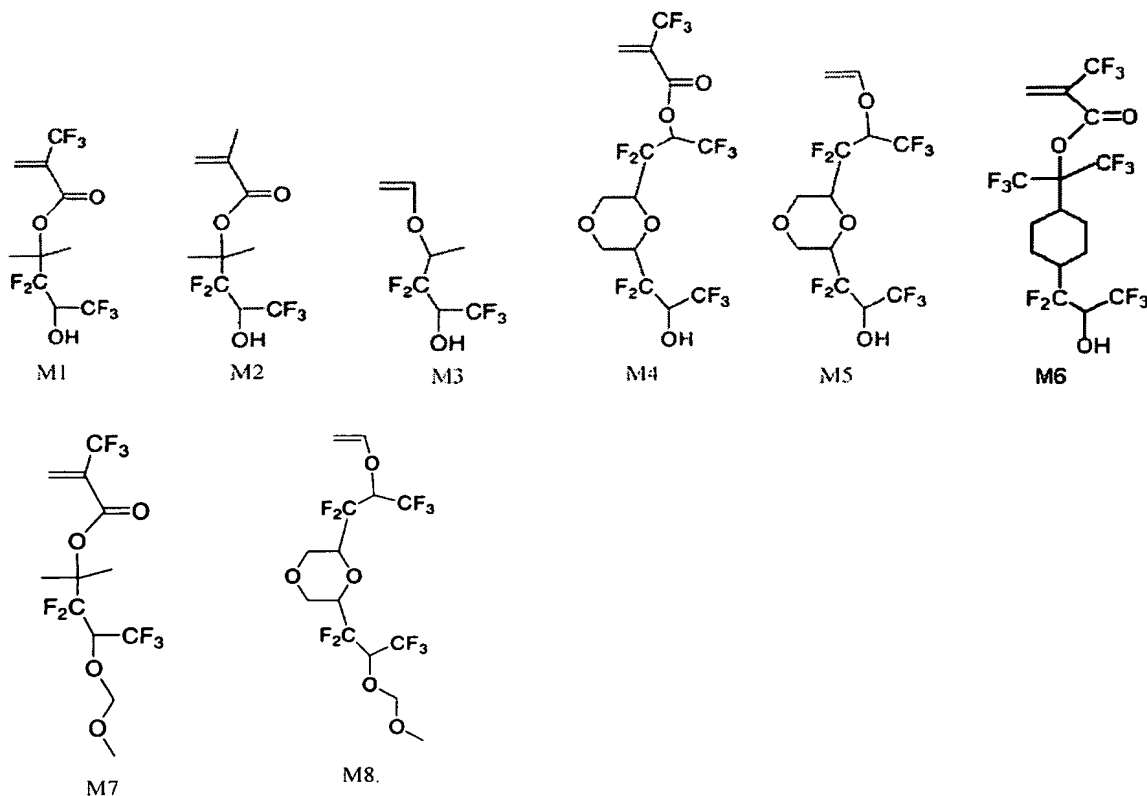
19. (Withdrawn) A dissolution inhibitor according to claim 18, wherein the compound is represented by the following formula:



20. (Original) A resist composition comprising a fluorine-containing polymer according to claim 11.

21. (Previously Presented) A fluorine-containing polymerizable monomer according to claim 4, which is selected from first to eighth fluorine-containing polymerizable monomers respectively represented by the following formulas M1 to M8:





22. (Previously Presented) A fluorine-containing polymer according to claim 11, which comprises a repeating unit derived from at least one monomer selected from first to eighth fluorine-containing polymerizable monomers respectively represented by the following formulas M1 to M8:

